

You have to pay \$96.00. To show arrows that indicate which cells are used to calculate this value, execute the following steps.

1. Select cell C13.

2. On the Formulas tab, in the Formula Auditing group, click Trace Precedents.

Formulas Data	Review	View	Developer			
💫 Lookup & Reference 🔻	, F	a Define	Name -			
🙀 Math & Trig 👻	Name	<i>f</i> _x [™] Use in	Formula -	R Trace Dependents	🚸 Error Checking 👻	_
🎁 More Functions 🔻	Name Manager	E Create	from Selection	Remove Arrows *	👰 Evaluate Formula	Wir
		Defined Na	ames	For	rmula Auditing	

Result:

	C13 • (* fx =ROUNDUP(C10/C12,0)								
	А	В	С	D	E				
1									
2		Day out - Boat 1	rin						
3		Day Out - Doat i	uip						
4		Description	Amount						
5		Boat rent	\$ 400.0	0					
6		Boat fuel	\$ 33.0	0					
7		Life vests	\$ 20.0	0					
8		Picnic	\$ 68.0	0					
9		Dinner	\$ 240.0	0					
10		Total cost	\$ 761.0	0					
11									
12		Group size	•	8					
13		Cost per person	\$ 96.0	0					
14									
15									

As expected, Total cost and Group size are used to calculate the Cost per person.

3. Click Trace Precedents again.

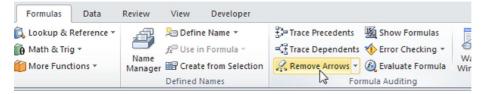
	C13 ▼ (f _x =ROUNDUP(C10/C12,0)							
1	А	В		С	D	E		
1								
2		Day out - Boat t	rio					
3		Day Out - Doar i		5				
4		Description	Ar	nount				
5		Boat rent	\$	400.00				
6		Boat fuel	\$	33.00				
7		Life vests	\$	20.00				
8		Picnic	\$	68.00				
9		Dinner	\$	240.00				
10		Total cost	\$	761.00				
11								
12		Group size		8				
13		Cost per person	\$	96.00				
14								
15								

As expected, the different costs are used to calculate the Total cost.

Remove Arrows

To remove the arrows, execute the following steps.

1. On the Formulas tab, in the Formula Auditing group, click Remove Arrows.



Trace Dependents

To show arrows that indicate which cells depend on a selected cell, execute the following steps.

1. Select cell C12.

2. On the Formulas tab, in the Formula Auditing group, click Trace Dependents.

Formulas	Data	Review	View	Developer			
🔍 Lookup & R	eference *	æ	a Define	Name *	Harace Precedents	Show Formulas	
🙀 Math & Trig	*		<i>f</i> x [⊕] Use in	Formula 🕆	Race Dependents	🚸 Error Checking 👻	6
🎁 More Funct	ions 👻	Name Manager	🔐 Create	from Selection	Remove Arrows -	🙉 Evaluate Formula	Wir
			Defined Na	ames	For	mula Auditing	

Result:

	C12 • (* fx 8									
	А	В	С	D	E					
1										
2		Day out - Boat t	rin							
3		Day Out - Doar t	πp							
4		Description	Amount							
5		Boat rent	\$ 400.00							
6		Boat fuel	\$ 33.00							
7		Life vests	\$ 20.00							
8		Picnic	\$ 68.00							
9		Dinner	\$ 240.00							
10		Total cost	\$ 761.00							
11										
12		Group size	• 8 <u>,</u>							
13		Cost per person	\$ 96.00							
14										
15										

As expected, the Cost per person depends on the Group size.

Show Formulas

By default, Excel shows the results of formulas. To show the formulas instead of their results, execute the following steps.

1. On the Formulas tab, in the Formula Auditing group, click Show Formulas.

Formulas	Data	Review	View	Developer			
🔁 Lookup & F	Reference *	æ	鴙 Define	Name *	Hace Precedents		
🗿 Math & Trig	g *		<i>f</i> x ^{[™] Use in}	Formula 🕆	국품 Trace Dependents	Necking -	Ó
More Fund	tions 👻	Name Manager	🔐 Create	from Selection	Remove Arrows *	🙈 Evaluate Formula	Wir
			Defined Na	ames	For	rmula Auditing	

Result:

F	24	▼ (* <i>f</i> x		
1	A	В	С	D
1				
2		Day out	Post trip	
3		Day out -	boat trip	
4		Description	Amount	
5		Boat rent	400	
6		Boat fuel	33	
7		Life vests	20	
8		Picnic	68	
9		Dinner	240	
10		Total cost	=SUM(C5:C9)	
11				
12		Group size	8	
13		Cost per person	=ROUNDUP(C10/C12,0)	
14				
15				

Note: instead of clicking Show Formulas, you can also press CTRL + (`). You can find this key above the tab key.

Error Checking

To check for common errors that occur in formulas, execute the following steps.

1. Enter the value 0 into cell C12.

С	C13 • (= fx =ROUNDUP(C10/C12,0)							
	А	В	С	D	E			
1								
2		Day out - Boat 1	rin					
3		Day Out - Doat i	uib					
4		Description	Amount					
5		Boat rent	\$ 400.00					
6		Boat fuel	\$ 33.00					
7		Life vests	\$ 20.00					
8		Picnic	\$ 68.00					
9		Dinner	\$ 240.00					
10		Total cost	\$ 761.00					
11								
12		Group size	0					
13		Cost per person 🛛 🚸	#DIV/0!					
14								
15								

2. On the Formulas tab, in the Formula Auditing group, click Error Checking.

Formulas	Data	Review	View	Developer			
🔍 Lookup & F	eference *	, F	a Define	Name *	Harace Precedents	Show Formulas	
🗿 Math & Trig	*		<i>f</i> x [⊕] Use in	Formula 🕆	록 Trace Dependents	Error Checking -	
More Funct	ions *	Name Manager	🔐 Create	from Selection	Remove Arrows *	🗟 Evaluate Formula	Wir
			Defined Na	ames	For	rmula Auditing	

Result. Excel finds an error in cell C13. The formula tries to divide a number by 0.

Error Checking	? 💌
Error in cell C13 =ROUNDUP(C10/C12,0)	Help on this error
Divide by Zero Error	Show Calculation Steps
The formula or function used is dividing by zero or empty cells.	Ignore Error
	Edit in <u>F</u> ormula Bar
Options	Previous Next

Evaluate Formula

To debug a formula by evaluating each part of the formula individually, execute the following steps.

- 1. Select cell C13.
- 2. On the Formulas tab, in the Formula Auditing group, click Evaluate Formula.

Formulas	Data	Review	View	Developer			
🔍 Lookup & F	Reference *	A	a Define	Name *	Harace Precedents	Show Formulas	
🗿 Math & Trig	, -		<i>f</i> _x [™] Use in	Formula 👻	국音 Trace Dependents	🚸 Error Checking 👻	
More Fund	ions *	Name Manager	🔐 Create	from Selection	Remove Arrows *	🙈 Evaluate Formula	Wir
			Defined Na	ames	For	mula Auditings	

3. Click Evaluate four times.

Eva	luate For	rmula	8 💌	
_	erence:	\$13 =	E <u>v</u> aluation: ROUNDUP(<u>C10</u> /C12,0)	
	Evaluat	e Formula	3	×
	Referen Sheet	nce: L!\$C\$13	E <u>valuation:</u> = ROUNDUP(<i>761</i> / <u>C12</u> ,0)	*
	Eva	aluate Formula	8	
Т		ference: eet1!\$C\$13	E <u>v</u> aluation: = ROUNDUP(<u>761/8</u> ,0)	
a		Evaluate Formul	ıla	? ×
	T	Reference: Sheet1!\$C\$13	Evaluation: = ROUNDUP(95.125,0)	^
	a	3	esult of the underlined expression, click Evaluate. The most recent result	Ŧ
			Evaluate Step In Step Out	<u>C</u> lose

Excel shows the formula result.

Evaluate Formula		? x
Reference: Sheet1!\$C\$13	= E <u>v</u> aluation: \$96.00	A
To show the result of the underlined expression, dick Evaluate. The most recent result appears italicized.		
	Restart Step In Step Out	<u>C</u> lose

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